

Statistics
Chapter 23 Practice

1. Resting pulse rates for a random sample of 26 smokers had a mean of 80 beats per minute (bpm) and a standard deviation of 5 bpm. Among 32 randomly chosen nonsmokers, the mean and standard deviation were 74 and 6 bpm. Both sets of data were roughly symmetric and had no outliers. Is there evidence of a difference in mean pulse rate between smokers and nonsmokers? How big (use a confidence interval to find this)?

2. Here are the saturated fat content (in grams) for several pizzas sold by two national chains. Is there a difference between the two pizzas?

Brand D	17	12	10	8	8	10	10	5	16	16
	8	12	15	7	11	11	13	13	11	12
Brand PJ	6	7	11	9	4	4	7	9		
	11	3	4	5	8	5	5			